

Working in a Clean Room Script

Clip from *Building the Coolest X-ray Satellite*

Video

CLIP OF A CLEAN TENT

Audio

NARRATOR: Certain portions of the XRS instrument require work in a clean tent.

Video

CLIP OF WORK IN A CLEAN TENT WITH PEOPLE IN BUNNY SUITS
KEVIN OC

Audio

KEVIN: One of the parts of this experiment is a bunch of filters, very, very thin filters to let the x-rays through but keep out visible light, infra red – that sort of thing. These filters are very, very thin. And even just one tiny particle, too small to see, could penetrate them during launch when it's being shaken around. So we had to keep everything scrupulously clean, which means doing everything that has to do with inside of the detector assembly in a clean room

Video

ANIMATION SHOWING HOW A CLEAN ROOM WORKS WITH AIR
PULLED IN THE TOP, PUSHING AIR OUT THE BOTTOM

Audio

NARRATOR: A clean tent works by pulling the air in at the top, passing it through special filters to remove dust particles. This raises the air pressure inside the tent, which keeps outside air from coming in.

Video

CLIP OF PEOPLE IN BUNNY SUITS WORKING IN THE CLEAN TENT

Audio

NARRATOR: Keeping the clean tent environment virtually dust free requires the use of special clothing commonly referred to as bunny suits. It also requires cleaning all items entering the tent and the use of special materials.

Video

CLIP OF CAROL CLEANING PAPER
TEXT: CAROL JONES INFO

Audio

CAROL: This is clean room paper, but when you run it through the printer you get a lot of toner on it, you have to wipe it off before you take it in to the clean room. Tedious, but it does come up pretty black. Yah, why am I wiping paper off, yah, well.